

# Comparisons of Job Characteristics

**Focus Occupation:** [Environmental Engineering Technicians \(17-3025\)](#)

**Associated Occupation:** [Forest and Conservation Technicians \(19-4093\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 36

**Focus Occupation:** Environmental Engineering Technicians (17-3025)  
**Associated Occupation:** Forest and Conservation Technicians (19-4093)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Geography	3.9	13.3	6.2	<< Extensive education and/or training may be required
Transportation	4.6	11.5	2.6	<< Extensive education and/or training may be required
Biology	3.7	9.4	6.8	<< Extensive education and/or training may be required
History and Archeology	2.6	8.4	1.7	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 81

**Focus Occupation:** Environmental Engineering Technicians (17-3025)  
**Associated Occupation:** Forest and Conservation Technicians (19-4093)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Management of Personnel Resources	6.9	9.1	7.3	< A higher skill level may be required
Mathematics	6.2	9.1	11.3	> Skill level is likely sufficient
Equipment Selection	3.3	5.3	5.0	0 Current skill level may be sufficient
Programming	2.2	4.6	5.0	0 Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Environmental Engineering Technicians (17-3025)  
Associated Occupation: Forest and Conservation Technicians (19-4093)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Far Vision	7.8	11.9	9.4	<	Some improvement in abilities may be required
Depth Perception	5.3	9.2	5.1	<<	Extensive improvement in abilities may be required
Stamina	4.0	8.0	4.2	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	7.4	4.0	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	7.0	2.3	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	6.9	3.6	<<	Extensive improvement in abilities may be required
Dynamic Strength	3.5	6.5	4.9	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	6.4	3.8	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 75

Focus Occupation: Environmental Engineering Technicians (17-3025)  
Associated Occupation: Forest and Conservation Technicians (19-4093)

Work Activities	Exclusivity of Activity
Analyze scientific research data or investigative findings	27
Communicate technical information	4
Explain complex mathematical information	30
Follow safe waste disposal procedures	50
Maintain records, reports, or files	5
Record test results, test procedures, or inspection data	48
Use building or land use regulations	65
Use chemical testing or analysis procedures	54
Use government regulations	44
Use hazardous materials information	35
Use laboratory equipment	60
Use pollution control techniques	62
Use scientific research methodology	21

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 67

**Focus Occupation: Environmental Engineering Technicians (17-3025)**  
**Associated Occupation: Forest and Conservation Technicians (19-4093)**

Tools and Technologies	Exclusivity
Audio and visual equipment	4
Business function specific software	1
Cameras	2
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Electrochemical measuring instruments and accessories	9
Hydrological instruments	31
Indicating and recording instruments	2
Industry specific software	1
Information exchange software	1
Light and wave generating and measuring equipment	4
Liquid and gas flow measuring and observing instruments	15
Meteorological instruments	16
Network applications software	1
Pumps	9
Sampling equipment	12
Soil measuring equipment	20

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.